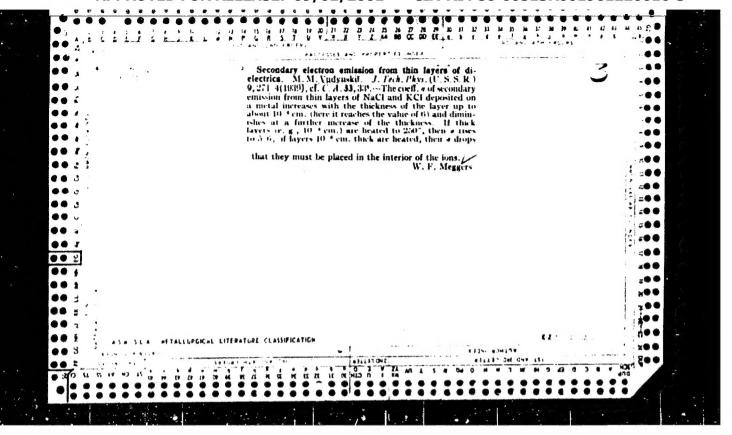
VUDVORD, R.B. [Woodward, R.B.], prof.

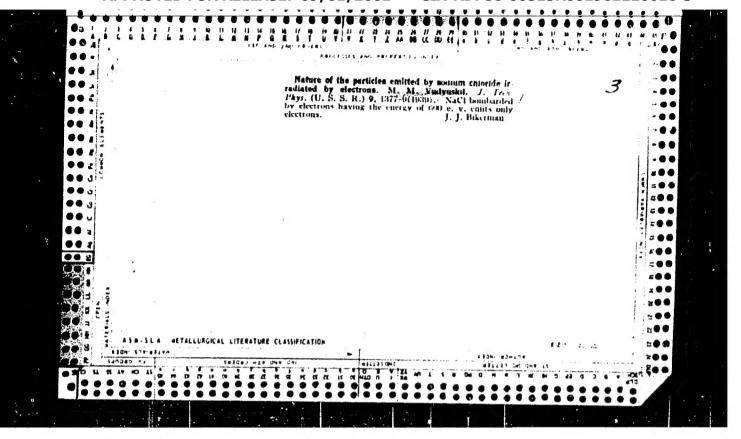
Total synthesis of chlorophyll. Zhur.VKHO 6 no.4:451-457 161.

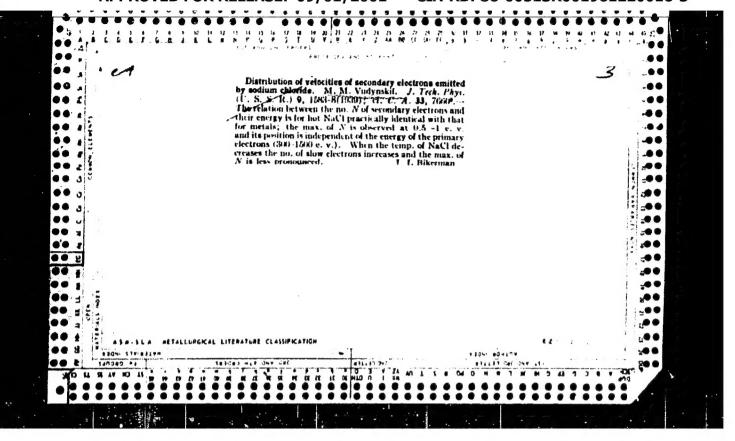
(MIRA 14:7)

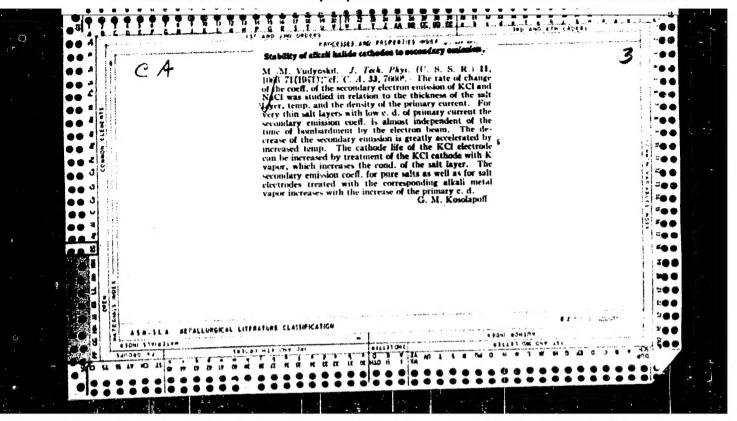
1. Garvardskiy universitete.

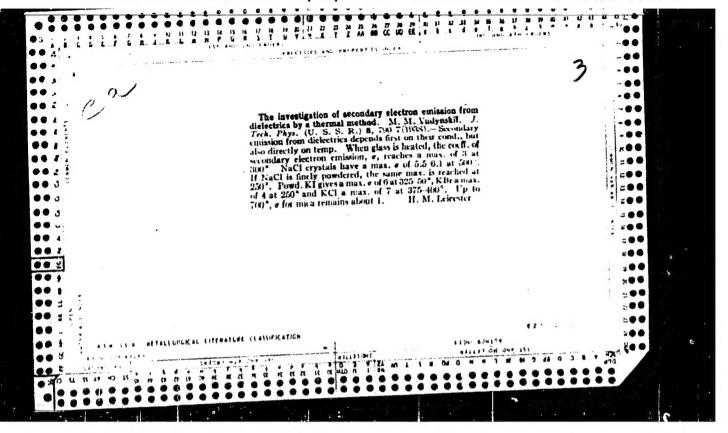
(Chlorophyll)





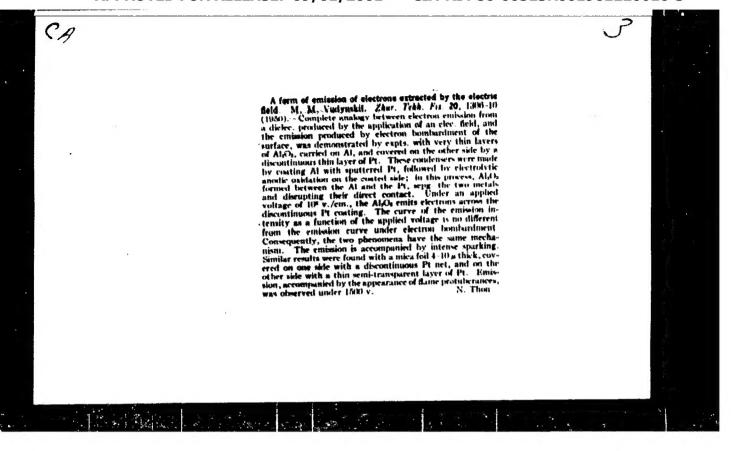




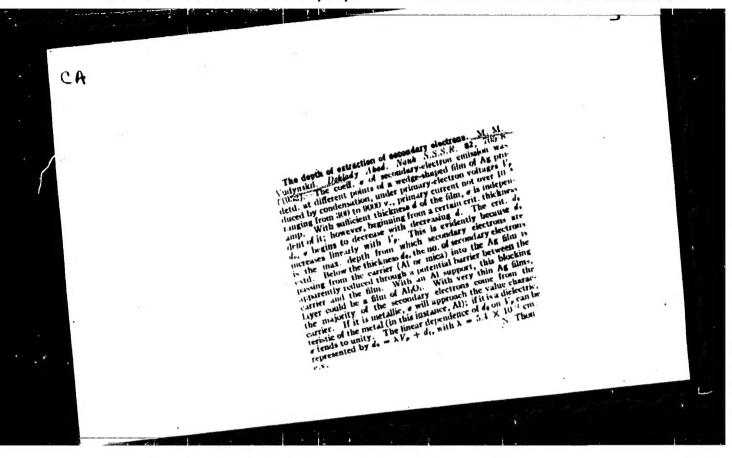


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VUDYNOKIY, M.M. AUTHOR:

YASNOPOL'SKIY, N.L., DYKLOP A.E.

109-6-17/17

TITLE:

Interdepartmental Seminar on Cathode Electronics. (Mezhduve-

domstvennyy seminar po katodnoy elektronike, Russian) Radiotekhnika i Elektronika, 1957, Vol 2, Nr 6, pp 314-816

(U.S.S.R.)

ABSTRACT:

PERIODICAL:

At the 5. meeting on the 8. April 1957 the following lectures

were delivered:

M.M. VUDINSKIY showed that irradiation of the screen surfaces of electron beam tubes by a de-focussed bundle leads to the production of three kinds of dark spots on the screen. On this occasion the surface potential of the non-conductor changes in

I.P.ZAKIROVA and S.A.FRIDRIKHOV gave a report on the kinetics of the production of a charge on the non-conductor surfaces (glass, mica) under the effect of a bombardment by electrons (in the interval of from 20 to 15000 eV).

G.S.KOZINA spoke about the peculiarities of the secondary emission of thin free aluminum oxide films (0.05 - 0.2 \mu). M.M. VUDYNSKIY gave a short report on the dependence of the coefficient of secondary electron emission upon the angle of incidence of the primary electrons for mica and semiconductor

glass.

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109-6-17/17

Interdepartmental Seminar on Cathode Electronics.

V.B.KRUSSER gave a survey of the history, the present stage, and the ways of development of transmission television tubes in the U.S.S.R. He indicated the ways and means of further development. (With 3 Slavic References).

ASSOCIATION:

Not given

PRESENTED BY:

SUBMITTED:

20.4.1957

AVAILABLE:

Library of Congress

Card 2/2

Vodynskiy, M. M.

AUTHOR: Vudynskiy, M.M.

109-10-14/19

TITLE:

Dependence of the Coefficient of the Secondary Electron Emission on the Incidence Angle of the Primary Electrons (Zavisimost' koeffitsienta vtorichnoy elektronnoy emissii

ot ugla padeniya pervichnykh elektronov)

Radiotekhnika i Elektronika, 1957, Vol.II, No.10, pp. 1301 - 1303 (USSR). PERIODICAL:

ABSTRACT: Experimental curves of the secondary emission coefficient o as a function of the energy of primary electrons V for various incidence angles of the primary electrons were measured for a number of materials. The measurement of σ was done by means of the single-pulse method proposed by the author in an earlier work (Ref. 2) and also by the thermal method. Curves of σ as a function of V are shown in Fig.1 for the following materials: KCl, Al₂O₃, two types of glass and a material known as cryolite. Fig.2 shows σ as a function of V for a semi-conducting glass for five different incidence angles, while analogous curves for mica are shown in Fig. 3. Fig. 4 illustrates the dependence of σ on the incidence angle of the primary electrons, both for the glass and for mica; Curve 1 of Fig. 4 was taken at V = 175 eV and Curve 2 at Card1/2 V = 200 eV. There are 4 figures and 2 Slavic references.

Dependence of the Coefficient of the Secondary Electron Emission on the Incidence Angle of the Primary Electrons.

SUBMITTED: December 21, 1956

AVAILABLE: Library of Congress

Card 2/2

VUDYNSKIY, M.M.

Vudynskiy, M.M. AUTHOR:

109-3-9/23

TITIE:

Some Problems in the Charging of Dielectrics (Nekotoryye

voprosy zaryadki dielektrikov)

Radiotekhnika i Elektronika, 1958, Vol. III. no.3, PERIODICAL: pp. 386 - 394 (USSR).

If a dielectric is irradiated by a beam of slow electrons, it collects a negative charge, as a result of which the di-electric surface takes a potential near to that of the potential ABSTRACT: of the electron source. Consequently, no additional electrons are collected by that region of the surface which has a potential near to that of the electron source. If the dielectric is a luminescent substance, its charged region will be seen as a dark spot. Such regions can appear in any part of a luminescent screen or can cover even the whole surface of the screen. The problem of the mechanism of the formation of dark spots was first investigated by the author in 1948. (see Ref.1). A more thorough investigation is reported in the present article. The experiments described were carried out by means of a Soviet kinescope, type 18AK15, having a magnetic focusing coil. The luminescent screen of the tube consisted of zinc sulphide and Cd + ZnS which were activated by Ag and bound Cardl/3 together by potassium silicate. The electrical measuring

Some Problems in the Charging of Dielectrics

109-3-9/23

equipment, shown in Fig.1, was used to form the dark spots and to store negative charges on the luminescent screen. For this purpose, the energy of the primary electrons was adjusted to below a certain value V₁ (by means of the potentiometer 12). The potential difference between the cathode and the anode, i.e. the collector of the secondary electrons, was measured by the voltmeter B. The beam of the primary electrons was de-focused. The active surface of the screen was 25 cm². Three types of the active surface of the screen was 25 cm². Three types of dark spots were observed: fixed, mobile and rotational. A dark spots were observed: fixed, mobile and rotational. A dark shown in Fig. 2a. Fig. 25 shows a mobile dark spot, while is shown in Fig. 2a. Fig. 25 shows a mobile dark spot, while a rotational dark spot is shown in Fig. 2b. Also, the surface potential of the irradiated dielectrics was recorded for various potential increases as a function of time and after a certain time t₁ reaches a steady value (see Fig. 3). The time t₁ corresponds to the instant of formation of a dark spot and it can be regarded as/formative time; t₁ is greatly dependent on the magnitude of the irradiating current (see Fig.4) and Card2/3

Some Problems in the Charging of Dielectrics

109-3-9/23

it is also a function of the electron energy, as can be seen from Figs. 5 and 6. A brief theoretical explanation of the above results is given and a new method for the measurement of the surface potential of dielectrics is outlined. There are 6 figures and 3 references, 2 of which are Russian and 1 German.

SUBMITTED: October 15, 1956

AVAILABLE: Library of Congress

Card 3/3

E 3039-66 ENT(1) ACCESSION NR: AR5008344 UR/0275/65/000/002/ACO5/AOO8

25

SOURCE: Ref. zh. Elektronika i yeye primeneniye. Abs. 2A22

AUTHOR: Vudynskiy, M. M.

TITLE: About the constants and some physical laws

CITED SOURCE: K voprosu o konstantakh i nekotorykh zakonakh fiziki. Mosk.

avtomekhan. in-t. M., 1964, 17 str.

TOPIC TAGS: physical constant, physical law, generalized physical constant, generalized physical law, physics, theoretic physics

TRANSLATION: It has been shown in the author's work "To the problem of constants and some physical laws" that the thermal constants can be expressed in terms of electron charge &, velocity of light C in vacuum, and one of the thermal constants, e. g., the Wien constant b. Indeed, the dimension of the constant D equals to the product of dimensions of &, C, b raised to certain powers &, \(\beta\), \(\frac{1}{2}\), \(\frac{1}{2}\)

[D] - M^m, S¹, T^t,

 $T_0^2 - \{\epsilon\}^{\alpha}, \{C\}^{\beta}, \{b\}^{\gamma} - \left(\frac{M^{1/2}S^{3/2}}{T}\right)^{\alpha} \left(\frac{S}{T}\right)^{\beta} (ST_0)^{\gamma};$

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Therefore, $m=1/2\alpha$, $l=3/2\alpha+\beta+\tau$ $l=-\alpha-\beta$ are r=r, thence we find α , β , γ ; and D-HermC-1-imb (i) or D-Pumc-15 (i) Here m is the magnetic charge, I and P are the dimensionless factors different for different constants. The equations (1) hold true with $\tau = 1 + t - m$, where 1, t, m, and τ are the dimension indices of the length S, time T, mass M, and temperature To of the unknown constant D, respectively. With T = 0, the equations (1) become the equations of the world constants in terms of E and C; here, D-HeimC-t-im and D-PuinC-t (2B), and the condition (2) becomes 1 + t - m = 0 (2A). The dimension of all thermal constants satisfied (2) and all world constants, (2A); here lies the difference between them. It follows from (2) that the quantities with one dimension only, such as mass (e.g., electron mass), length, time, or temperature cannot serve as constants. The equations (1) permit compiling a 3-dimensional table of constants by arranging, for example, 2m in rows, and -t-2m, in columns (Table 1), or else m in rows, and t, in columns (see RZhEiP, 1963, 12AB; 1964, 5A4), with the quantity of indicated for each constant. Different temperature planes of the table correspond to different T. The world constants in the Table 1 are in the plane T = 0, while the known constants, in the diagonal t = -1. Thermal constants are situated in the column m = 1, in which also the Plank constant h for various T is given. Table 1 shows that the constants D can be expressed in terms of & , C, b with interger exponents. Card 2/13

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Here, the ratio of constants along the row is \mathcal{E} , along the column is \mathbf{C} , along the perpendicular is \mathbf{b} ; along the diagonal $\mathbf{t} = -1$ occupied with the world constants, the ratio is \mathbf{m} , along the second diagonal, the ratio is $\mathbf{D}_{\mathbf{x}}$; here $\mathbf{D}_{\mathbf{x}} = \Pi \in \mathbf{C}$; apparently, $\mathbf{D}_{\mathbf{x}}$ is also a constant. Each constant is associated with a definite physical law. For example, ε is associated with the Coulomb law FS2= ε^2 (A). The product of force F and the square of the distance S between electrons equals ε^2 . According to Einstein, the energy \mathbf{W}/\mathbf{m} equivalent to the unit of mass equals \mathbf{C}^2 , i. e., $\mathbf{W}/\mathbf{m} = \mathbf{C}^2$ (B). The Wien law $\mathbf{b} = \lambda T_{\mathbf{O}}(\mathbf{C}^1)$, etc. Therefore, the 3-dimensional table of constants is also a table of physical laws. The association between the constants (formulas 1 and 2B) is a consequence of the interrelation among the physical laws. The connection can be realized between two (A), (B), or for thermal laws ($\varepsilon \neq 0$) between three (A), (B), (ε^2) physical laws. It follows that: (a) the action of three or even two, (A) and (B), fundamental physical laws predetermines the action of all other laws; and (b) by means of these fundamental laws, all other laws can be established.

The equation connecting some physical laws.

The physical quantities $x(M^m, S^l, T^t)$, whose dimension does not satisfy condition (2) or (2A) are not constants but rather depend on some other physical quantities $y(M^m, S^l, T^t)$.

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If x and η^3 are connected by the constant D, the relation between x and η^5 can be determined from the condition that the dimension of the product x η^5 equals to the dimension of the constant D, i. e., $[x(M^n, S^1, T^1), y^1] \times [D];$ therefore, the dimension of the constant D, i. e., $[x(M^n, S^1, T^1), y^1] \times [D];$ therefore, the dimension of the constant D from (1), we obtain: $x(M^n, S^1, T^1) = He^{\mu n}C + e^{\mu n} \delta^{-1} \delta^{-1}$ (3) the fundamental equation of some physical laws.

Laws of thermal radiation.

If η^5 equals to temperature T_0^T , $\eta^5 = T_0^T$, then the equation (3) will be: $x(M^n, S^1, T^1) = He^{\mu n}C + e^{\mu n} \delta^{-1} \delta^{-1}.$ By determining from (2), we obtain $x(M^n, S^1, T^1) = He^{\mu n}C + e^{\mu n} \delta^{-1} \delta^{-1}.$ The equation (5) establishes the effect of temperature on the physical quantities x. It follows from (5) that the constant D and the temperature index T = 1 + t = mx. It follows from (5) that the constant D and the temperature function of the quantity x. If x is energy W, it can be only a first-degree function of the quantity x. If x is energy W, it can be only a first-degree function of the quantity x. If x is energy dimension is $[W] = MS^2/T^2$, for which m = 1, 1 = 2, 1 = -2 (6). By substituting m, 1, and t from (6) into (5), we obtain $x = W = H_0^2 \delta^{-1}$.

In Table 1, $H_0^{2-1} \in X$ is the Boltzmann constant; hence, the Boltzmann flat $W = KT_0$.

L 3039-66 ACCESSION NR: AR5008344 Quantity x equal to the integral radiation intensity I per unit time from a unit surface can be proportional only to T_0 in the fourth power. The dimension [I] = M/T3; for it: m = 1, t = -3, 1 = 0 (7). By substituting (7) into (5), we obtain $I = \prod_{b \in I} \frac{e^{2C}}{b^{c}} T_{0}^{c}$. In Table 1, $\prod_{b \in I} \frac{e^{2C}}{b^{c}} T_{0}^{c}$. is the Stefan-Boltzmann constant; therefore, I = o To is the Stefan-Boltzmann law. A similar effect of To must be exerted on the energy of thermal radiation and all physical quantities for which 1 + t - m = -4. in a unit volume; $W_6 = \Pi \frac{e^2}{h^4} T_0^4$ I having a dimension equal to the maximum intensity of monochromatic radiation at any wavelength, according to (5) must be proportional to To because 1 + t - m = -5. By a similar technique, the Wien law can be deduced from (5), etc. Absence of thermal laws in which x would be proportional to To or To can be explained only by the fact that the physical quantities with such a dimension have no practical consequence. However, the radiation power, according to (5), would be equal to A physical quantity with a dimension of thermal-energy flux would be proportional to the cube of temperature, etc. Thus, the equation (5) permits deducing all known thermal laws and predicting new laws. To predict the temperature dependence of a physical quantity associated with thermal radiation, it is necessary to specify the dimension of that quantity. Then, the constant D and the Card 5/13

L 3039-66 ACCESSION NR: AR5008344 0 temperature index q will be automatically determined in the equation (5). Laws determined by world constants. For the world constants, T = 0, the equation (3) can be written as: z.(Mm, Mm & St., Tt) = HstmC-t-smn (Mms, St., Tt)-8 where x(M S 1. Tt2) is the sought physical quantity (e.g., force, energy, etc.) with a dimension of $[x] - M^{m_1}$, S^{l_1} , T^{t_2} ; and $f(M^{m_2}, S^{l_2}, T^{t_2})$ is the quantity (e.g., mass, distance, etc.) on which x depends. In this equation, $m = m_1 + m_2$, $l = l_1 + l_2$ and $t = t_1 + t_2$; therefore, $z(M^{m_k}, S^{l_k-1}l_{l_k}-\Pi_k^{2(m_k+m_k)}C^{-(l_k+l_k)-2(m_k+m_k)}_{\Pi}\times (M^{m_k}, S^{l_k}, T^{l_k})^{-k}.$ in this case, the condition (2A) will be $l_1 + l_2 + t_4 + t_3 - m_1 - m_2 = 0$ Let us assume that $x(M^{m_1}, S^{l_1}, T^{t_1})$ is the energy W whose dimension is [W] =MS²/T²; therefore, $m_1 = 1$, $l_1 = 2$, $t_2 = -2$ (11). Let us find the dimension $h(M^{m_2}, S^{l_2}, T^{l_2})$ on which the energy might depend. Let us substitute the values m_1, l_1, t_2 for energy from (11) into (10). We will see that W might depend on

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 $\eta(\mathbb{R}^{m_2}, S^{l_2}, T^{l_2})$ whose dimension satisfy the condition $l_2 + t_2 - m_2 = 1$ (12). Let us take η for which $l_2 = 0$, $m_2 = 0$ in (12); then $t_2 = 1$ (13). In this case, η^S will be a physical quantity with a dimension of time, e. g., period T, i. e., $\eta^{-1} = T^{-l_1} = \eta^{-1}$. By substituting $\eta^{-1} = 1/T$ and (11) and (13) into the equation (8), we obtain $\mathbf{v} = \mathbf{n} \frac{e^2}{CT}$ (14). In Table 1, $\mathbf{n} \frac{e^2}{C} = h$ is the plank constant. Therefore, we obtain $\mathbf{v} = \mathbf{n} \frac{e^2}{CT}$ (14). In Table 1, $\mathbf{n} \frac{e^2}{C} = h$ is the plank constant. Therefore, $\mathbf{v} = h/T$, and for a frequency \mathbf{v} , we obtain $\mathbf{w} = \mathbf{n} \mathbf{v}$ quanta of energy. Let in (12), $l_2 = 0$, $l_2 = 0$, then $m_2 = -1$ (15), and $\eta^{-1} = M^2 = M$ (16) is a mass. By substituting (16), (11), and (15) into (8), we obtain the mass-energy relation $\mathbf{w} = \Pi MC^2$. As \mathbf{c} is a fundamental constant, $\Pi = 1$ and $\mathbf{w} = HC^2$ or the Einstein law let in (R) $t_2 = 0$, $m_2 = 0$, then $l_2 = 1$ (17); therefore, $\eta^{-1} = S^{-l_1} = \frac{1}{S}$ (18). By substituting (18), (11), and (17) into (8), the effect of distance S_2 upon the energy \mathbf{w} will be obtained where $\mathbf{w} = \Pi \frac{e^2}{S}$, as \mathbf{c} is a fundamental constant, $\Pi = 1$ and $\mathbf{w} = \frac{e^2}{S}$ is the formula for the energy of field of a charge. Let $\mathbf{x}(\mathbf{m}^{-1}, \mathbf{s}^{-1}, \mathbf{r}^{-1}) = P_0$ be the momentum for which $m_1 = 1$, $m_2 = 1$ which is a condition for the dimension η^0 on which P_0 similar to (12) may depend. Therefor, P_0 depends for the dimension η^0 on which P_0 similar to (12) may depend. Therefor, P_0 depends

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on time, mass, distance, and their reciprocals in the same way as the energy but the constants will be different. A similar operation results in $P_0 = h\sqrt{C} = mC = \frac{h}{S}$ If $x(H^{m_1}, S^{l_1}, T^{l_2}) = F$ is a force, whose dimension is $[F] = MS/T^2$, then for the force $m_1 = 1$, $l_1 = 1$, $t_2 = -2$ (19). By substituting this data into (10), we obtain $l_2 + t_2 - m_2 = 2$ (20). The dimension y^0 on which the force depends must satisfy the condition (20), Let in (20), $t_2 = 0$, $m_2 = 0$, then $l_2 = 2$ (21) and $y^0 = S^{-l_2} = 1/S^2$. By substituting m_2 , l_2 , t_2 from (19) for the force F and also l_2 , l_2 , l_2 , l_2 from (21) and $l_3^0 = 1/S^2$ into (8), we obtain $l_3^0 = 1/S^2$. Here again, $l_3^0 = 1$ and $l_3^0 = 1/S^2$ which is the Coulomb law. Let us consider an unknown case of the force $l_3^0 = l_3^0 = l_3^0$

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way (Table 2) that (with $l_2 = 0$, $m_2 = 0$, but $t_2 = 2$ in equation (20))the force is inversely proportional to the square of a physical quantity that has a dimension of time. In Table 2, a number of known and possible formulas derived from equation (3) are given for the energy and force and their dependence on the physical quantities having complicated dimensions and satisfying (12) and (20). The equation (3) shows that if only two or three fundamental physical laws have been discovered, an infinite number of other laws associated with those discovered can be predicted by using the equation connecting these laws. Table 1 gives all (except the gravitational constant) known and some possible constants, and also known and possible physical laws derived from equation (3). All constants are expressed in terms of ε and ε ; hence, ε and ε determine the form and content of several terms of ε and ε ; hence, ε and ε determine the form and content of several physical laws. Aging of ε or ε must entail aging of all other constants. It should be noted that similar formulas, equations, and tables of constants and laws can be obtained if ε is substituted by the nuclear charge (for strong interaction) or by a weak-interaction charge which possesses the dimension identical with ε . The difference will lie in the magnitude of dimensionless factors and in the magnitude of magnetic charges that correspond to different interactions.

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L 3	3039 - 66 00 8344	Table 1. Constants ENCLOSURE: 01								
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-	1-2m	0-2				(C,1=0g	$D_{t} = \Pi_{\overline{C}^{t}}^{t}$ $P_{t} = \frac{D_{t}}{P_{gt}}$			
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	$D_{q} = \Pi \frac{C^{q}}{e^{q}}$ $\forall = D_{q}^{q}$ $\Pi = \frac{q}{2\pi}$				
	F=M*D ₃ ² F=Z ₃ or S ₃			Pm - magnetic mo	

L 3039-66, AR5008344	Table 2.	Constants		EHCLOSURE:	0 3 (0
Table	2. Constants			· · · · · · · · · · · · · · · · · · ·		
	-1		-1	•		
-3	$I_{g}=1 \qquad I_{g}=2$ $W=\Pi \frac{G_{g}}{\xi^{2}} \frac{M^{2}T^{2}}{S} \qquad S=\Pi \frac{G^{2}}{\xi^{2}}$		I ₀ =3 F=IIC ¹ MT ¹ /S ⁰	V=He℃ 55	F=1100 54	
1	$l_s=0$ $l_s=1$ $V=\coprod \frac{C^3}{c^3}M^2T \qquad F=\coprod \frac{C^3}{c^3}M$		i _s =1 FallC MT	l _t =1 W=H·C T	$f_{end} + F_{end} = \frac{r}{S^n}$ $F_{end} = \frac{1}{\sigma} \frac{D_4^2}{S^n}$	
			1			

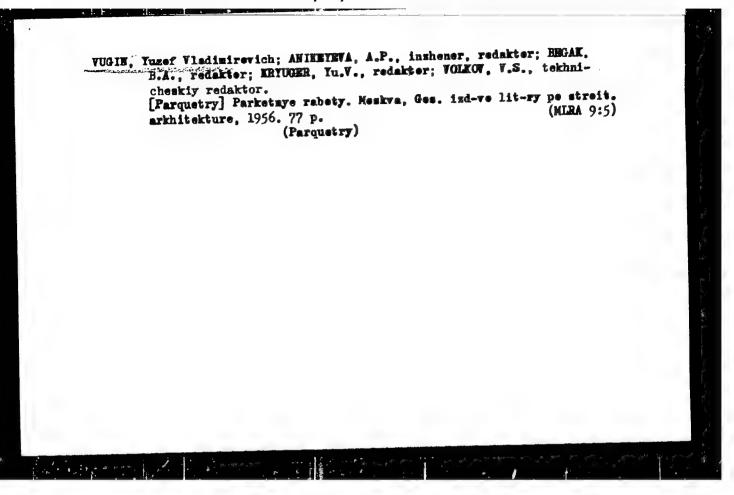
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SIMONOV, V.V.; BREVDO, G.D.; <u>VUGIN, R.B.</u>; YEGOROV, A.Ye.

Rotational speed of cones of three roller bits. Trudy MINKHIGP no.40: 32-41 163.

(MIRA 16:4)

(011 well drilling—Equipment and supplies)



Late results of pneumolysis and apicolysis and their manifestations.

Suvrem. med., Sofia 7 no.12:21-33 1956.

1. Iz Detsko-iunosheskiia sanatorium krai gr. Triavna (Gl. lekar: Iv. Vuglenov).

(COLLAPSE THERAPY,

pneumonolysis & apicolysis, late results (Bul))

VUGLENOV, Iv.; DANAILOV, Tav.

Harly and late results of pneumothorax in children and adolescents. Suvrem. med., Sofia 5 no.8:86-96 1954.

l. Is Durshavniia detske-iunosheski sanatorium. gr. Triavna. Gl. lekar: Iv. Vuglenov.

(PHEUMOTHORAX, ARTIFICIAL, therapeutic use, tuberc., pulm., results in adolescents & child.)

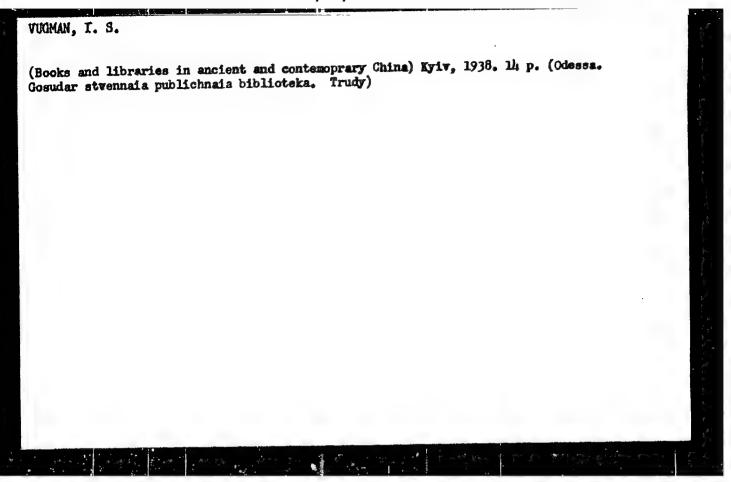
WUGLENOV, I. A.

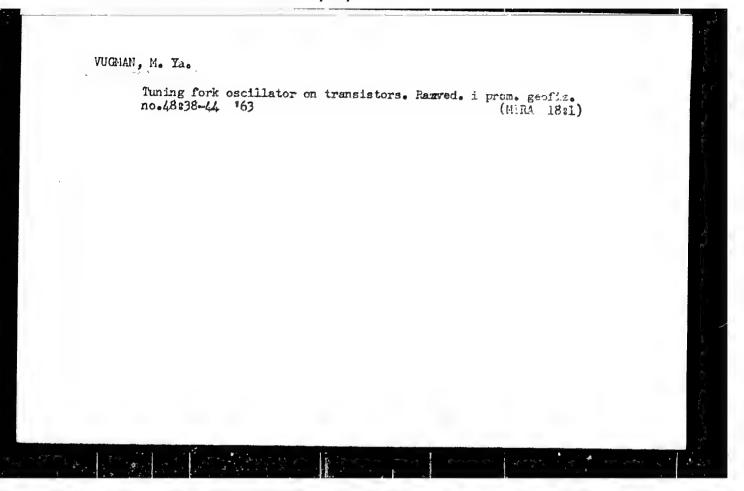
Extended indications for extrapleural pneumothorax and extrapleural apicolysis in the troatment of pulmonary tuberculosis. Suvrem. med. Sofia 5 no.12:51-61 1954.

1. Is Durzhavnila detako-iunosheski sanatorium - Triavna (gl. lekar: Iz. A. Yuglenov)

(PREUMOTHOROX, ARTIFICIAL, extrapleural, indic.)

(COLLAPSE THERAPY, apicolysis, indic.)





ACC NR: AR6020928 SOURCE

SOURCE CODE: UR/0196/66/000/002/V010/V010

AUTHOR; Vugman, S. M.

TITLE: Design of microminiature electric incandescent lamps

SOURCE: Ref. zh. Elektrotekhn i energ, Abs. 2V44

REF SOURCE: Nauchno-tekhn. sb. Vses. n.-i. in-t istochnikov sveta, vyp. 1, 1965, 13-19

TOPIC TAGS: microminiaturization, signal lamp, electric lamp

ABSTRACT: Characteristics, design, and uses of microminiature lamps (MML) are considered. Calculation of MML parameters according to the general formulas suitable for large size lamps brings about considerable errors. The energy balance of vacuum MML estimated from their spectral density curves includes: visible radiation, 1.5--26, invisible radiation, 25--31%, loss, 73.5--67%. The high loss is caused by the small-size filament and by strong cooling effect of the leads. A type NSM10 x 55 having a flux of 0.7--1.0 lum, a life of 1000 hrs, and intended for signaling and indication has been developed in the All-Union Scientific Research Institute of Light Sources; also developed is a series of MML, 2.5--4.5 v, 2--8.5 lum, 10--25 hrs (life) for endoscopic instruments. One figure. Four tables. G. Livina [Translation of abstract]

SUB CODE: 09

Card 1/1

UDC: 521.326.75

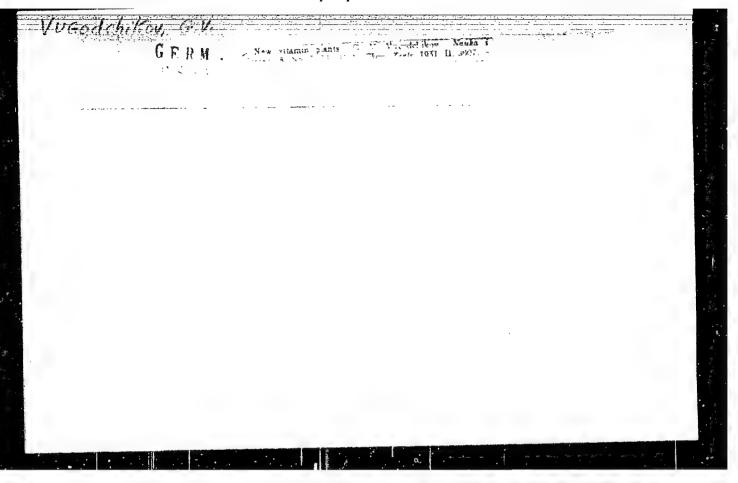
SKOBELEV, V.M.; <u>YUGMAN, S.M.</u>

Standardize refractory wire for incandescent lamps. Standartizatsiia (MIRA 14:5)

(Electric lamps, Incandescent—Filaments)

VUGMANIS, Miheile, stroitel'nyy insh.; LIEPINS, J., red.; ZAGARS, A., tekhn. red.

[What a young mason should know] Kas jazina jaunam murniekam. Riga, Latvijas Valsts izdevniecība, 1962. 108 p. (MIRA 16:5) (Masonry)



EXCERPTA MEDICA Sec.6 Vol.10/11 Internal Medicine Nov56

6729. VUGRINČIČ Č. intern. Odd. Splošne Bolnice, Osijek. *Pomen osi hipofiza skorja nadobistnice v razvoju klinične slike kronične insuficience cirkulatornega sistema. The significance of the pituitary-adreno-cortical system in the pathogenesis of chronic circulatory failure ZDRAV, VESTN. 1955, 24/1-2 (1-6)

The most outstanding feature of chronic circulatory failure is considered to be the increase of the blood volume due to adaptation to hypoxaemia, via the increased action of the pituitary-adreno-cortical system. This assumption is made plausible by the following facts: (1) Hypertrophy of the adrenal cortex is usually found at autopsy of cases of chronic circulatory failure. (2) The corticosteroid level of blood and urine is elevated. (3) There is a low renal and salivary excretion of sodium. (4) Water and salt retention is due to augmented tubular reabsorption which is due to the action of the adrenal cortex. (5) The mechanism of water and salt retention during corticosteroid therapy is the same as that of chronic circulatory failure. Water and sodium retention is the most essential consequence of the adaptation process, It is responsible for the increase of blood volume.

Mikes - Banja Luka

YUGRINCIC, Cedomil

The importance of the pituitary gland and of the adrenal cortex in the development of the clinical picture of chronic circulatory insufficiency. Zdrav. vest., Ljubljans. 24 no.1-2: 1-6 1955.

1. Interni oddelek splosne bolnice, osijek--predstojnik prim.
Dr. Gedomil Vugrincic.
(CONGESTIVE HEART FAILURE, physiol.

(CONGESTIVE HEART FAILURE, physics:
pituitary gland & adrenal cortex (S1))

(PITUITARY GLAND, physiol.

pituitary-adrenocortical system in congestive heart
failure (S1))

(ADRENAL CORTEX, physiol.

adrenocortical-pituitary system in congestive heart
failure (S1))

RES, Dusan, dipl. inz. (!jubljana); LOGAR, Franc (Ljubljana);

WUGRINEC, Joze (Ljubljana)

Apparatus for radio relay links, type PIM 1-400. Pt. 1.

Elektr vest 30 no. 10/12:280-284 '62/'63

 VUGRING. Josip, dipl. geol.; DURASEK, Stjepan, dipl. inz.; ALJINOVIC, Bruno, dipl. fiz.

Interpretation of the geophysical and geological investigations in the Sandrovac region. Nafta Jug no.1/2:10-15 Ja-F '64

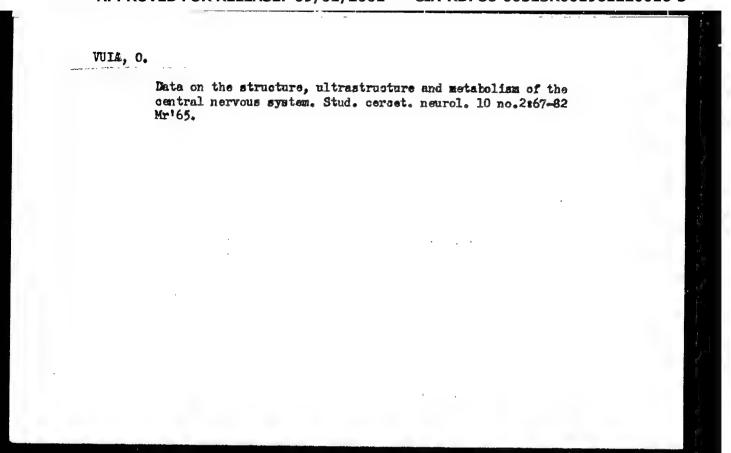
1. Naftaplin, Zagreb (for Vugrine). 2. "Geofizika", Zagreb (for Purasek and Aljinovic).

CIA-RDP86-00513R001961220016-3" APPROVED FOR RELEASE: 09/01/2001

DUMA, D.; PAPILIAN, V.V.; VUIA, C.; SERBAN, M.

Histochemical aspects of demyelinizing leukoencephalitis. Rev. sci.
med. 7 no.1/2;41-45 '62.

(ENCEPHALITIS) (DEMYELINATION)



SEITAN, 1.3 GARBIS, A.; VUIA, O.

Subacute granulomatous polyneuritis. (Its relation to primary granulomatosis). Stud. cercet. neurol. 10 no.2:111-115 Mr. 165.

GHERMAN, Cr.; VUIA, C.

Chronic hepato-portal encephalopathy (Wilson syndrome), Stud. cercet. neurol. 10 no.2:117-124 Mr*65.

DRAGANESCU, St. [deceased]; DRAGANESCU, N.; WUIA, O.

Clinico-morphological and etiological aspects of primary encephalitis in children. Stud. cercet. inframicrobiol. 16 no.2:145-164, 165.

Weasurement of roentgen rays in veterinary medicine. Arh. za hig. rada 12 no.1:49-54 161. 1. Institut za medicinska istrazivanja i medicinu rada. (RADIQUETRY) (VETERRIMARY MEDICINE)

 RUMANIA

616.988.25

DRAGANESCU, N., POPESCU, Gr., and VUIA O., of the Institute of Inframicrobiology (Institutul de Inframicrobiologie) and the Institute of Neurology (Institutul de Neurologie) of the Academy of the Socialist Republic of Rumania (al Academiei Republicii Socialiste Romania).

"Edematous Encephalopathiy in Children (Encephalopneumonitis) Caused by Large Inframicrobia Germs."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 17, No 5, 66, pp 395-400.

Abstract: The authors discuss virological and anatomopathological data on infants suffering from cerebral and pulmonary diseases Crossed serum neutralization reactions demonstrate that the isolated germs are related antigenically to the pararickettsia group. Histopathologically, edematous encephalopathic lesions were found both in the infants and in experimentally infected mice.

Includes 6 figures and 14 references, of which 10 Rumanian, 2 German and 2 Western.

1/1

VUICH, T.M.; YEMEL'YANOVA, I.S.; ISKANDARYAN, A.K.; KURMAYEVA, R.Kh.; POLYAKOV, M.I.

[English-Russian dictionary of terms in meat and meat products technology] Anglo-russkii slovar' terminov po tekhnologii miasa i miasoproduktov. Moskva, 1960. 44 p, (MIRA 17:3)

1. Moscow. Vsesoyuznyy nauchno-issledovatel skiy institut myasnoy promyshlennosti.

VUJACIC, Dura

Export of the products of machine industry, and neasures for its increase. Masinogradnja 5 no.2:5-8 Jl 162.

VUJACIC, J.

Catching, trading, and processing fish in the first quarter of 1954. 5. 3. (GLASNIK, Vol. 6, No. 3/4, 1954, Bedgrad, Yugoslavia)

O: Honthly list of East European Accessions, (EEal.), hC, Vol. h, No. 1 Jan. 1955, Uncl.

NEDELJKOVIC, Srecko; VUJADINOVIC Borislav.

Surgical treatment of aneurysm of the brachail artery in subacute bacterial endocarditis. Srpski arh. celok. lek. 88 no.11:1143-1147 N '60.

1. Interna klinika B Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Radivoje Berovic. II Hirurska klinika Medicinskog fakulteta Univerziteta u Beogradu. Upravnik: prof. dr Vojislav Stojanovic.

(ENDOCARDITIS SUBACUTE BACTERIAL compl)
(BRACHIAL ARTERY dis) (ANEURYSM surg)

VUJADINOVIC, Borislav; TOMIC, Ljubomir; OMRZIC, Zoran

Gangrenous cholecystitis with biliary peritonitis caused by Ascaris lumbricoides. Srpski arh. celok. lek. 84 no.10:1181-1184 Oct 56.

1. II Hirurska klinika Medic, fakulteta u Beogradu, Upravnik: prof. dr. Vojislav K. Stojanovic.

(PEHITONITIS, etiol. & pathogen.

Ascaris lumbricoides causing biliary peritonitis with gangrenous cholecystitis (Ser))

(UHOLECYSTITIS, etiol. & pathogen.

same)

(ASCARIS, infect.
 gangrenous cholecystitis & biliary peritonitis caused by Ascaris lumbricoides (Ser))

VUJADINOVIC, B.

Our preliminary experience with Henley's method of intestinal transplantation. Acta chir. Iugosl. 10 no.2:134-138 '63.

l. II Hirurska klinika Medicinskog fakulteta u Beogradu (Upravnik prof. dr V.K. Stojanovic).

(INTESTINE, SMAIL) (TRANSPLANTATION)

(GASTRECTOMY) (STOMACH NEOPLASMS)

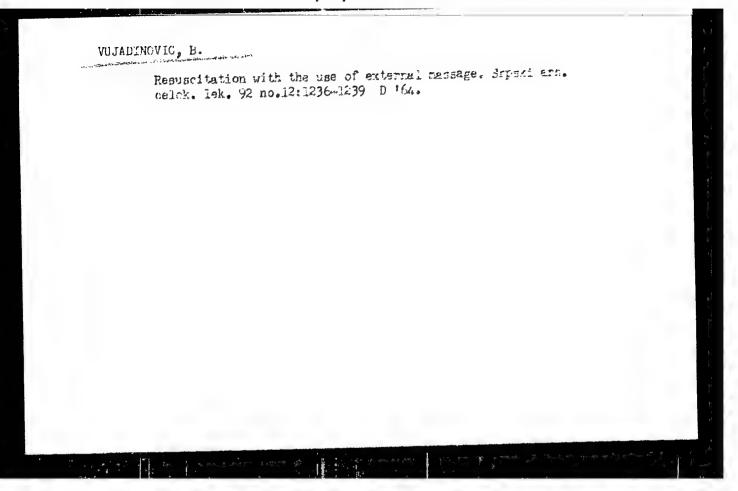
5

VUJADINOVIC, Borislav: LEKIC, Svetomir; BELJOZOVIC, Aleksandar; FEROVIC, Miroje; ANTIC, Ratomir

Successful treatment of penetrating wound of the heart. Srpski arh. celok. lek. 84 no.5:660-666 May 56.

1. II Hirurska klinika Medicinskog fakulteta u Beogradu.
Upravnik: prof. dr. Vojislav Stojanovic. IV Interna klinika
Medicinskog fakulteta u Beogradu. Upravnik: prof. dr. Oedomil Plavsic.

(HEART, wounds and injuries;
right ventric. penetrating wd., ther. (Ser))



STOJANOVIC, V.; SLAVKOVIC, J.; VUJADINOVIC, B.; VASILJEVIC, D.; RISTIC, M.

Embolism of the aortic bifurcation during the development of rheumatic phase of mitral stenosis successfully treated by embolectomy. Acta chir. iugosl. 6(7) no.3:245-248 159.

1. II Hirurska klinika, Upravnik: prof. dr. Vojislav K. Stojanovic; i Interna klinika *A*, Upravnik: prof. dr. Branko Stanojevic, Medicinskog fakulteta u Beogradu.

(MITRAL STENOSIS compl.)

(AORTA dis.)

(ZMBOLISM compl.)

VUJADINOVIC, R.

Elevation equipment for the barrel of the 76-mm. M18 self-propelling gun. p. 749.

VOJHO-TEHNICKI GLASNIK. Beograd, Yugoslavia. Vol. 3, no. 10, Cct. 1955.

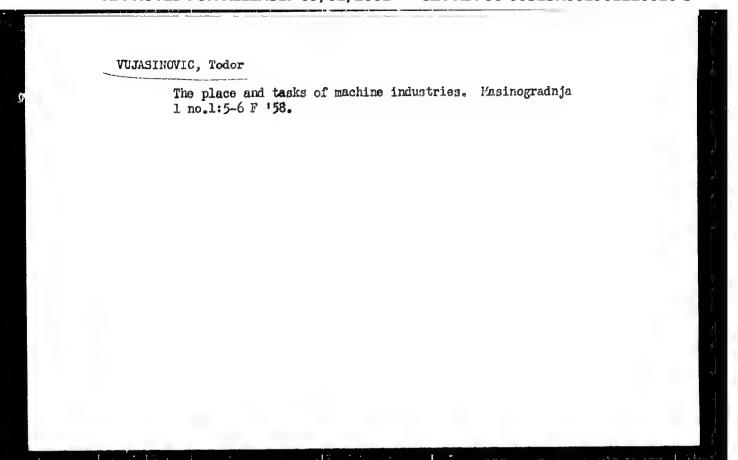
Monthly List of East European Accessions (EFAI) LC, Vol. 8, no. 9, Sept. 1959.

Uncl.

VUJADINOVIC, R.

Indirect faring with self-propelling weapons. p. 22. (GLASNIK, Vol. 11, No. 2, Feb. 1957)

SO: Monthly List of East European Accessions (EEAL) LC Vol. 6, No. 12, Dec. 1957 Uncl.



VUJADINOVIC, V.

How the artificial fertilizers should be used. p. 19. (GLASNIK, No. 3, 1956 (Published 1957)

SO: Monthly List of East European Accessions (EEAL) LC Vol. 6, No. 12, Dec. 1957 Uncl.

YUGOSLAVIA/Cultivated Plants. Grains.

H

Abs Jour : Ref Zhur-Biol., No 15, 1950, 68083

Author

: Vujadinovic, Vukasin

Inst Title

: The Effect of Larger Mineral Fortilizer Doses on Winter Wheat Yields.

Orig Pub : Poljopr. Vojvod., 1957, 5, No 9, 7-12

Abstract : No abstract.

Card : 1/1

ACTIVIDIEGIC ACKNOTE

USSR/Soil Cultivation. Mineral Fertilizers.

J-3

Abs Jour: Ref Zhur-Biologiya, No 1, 1958, 1257.

Author : Vujadinovic, Vukasin

Inst

.......

Title

: The Significance of Mineral Fertilizers for Increasing

Yields.

Orig Pub: Poljopr. Vojvod., 1956, 4, No 10, 1-11 (Serbocroatian)

Abstract: No abstract.

Card : 1/1

-28-

"APPROVED FOR RELEASE: 09/01/2001

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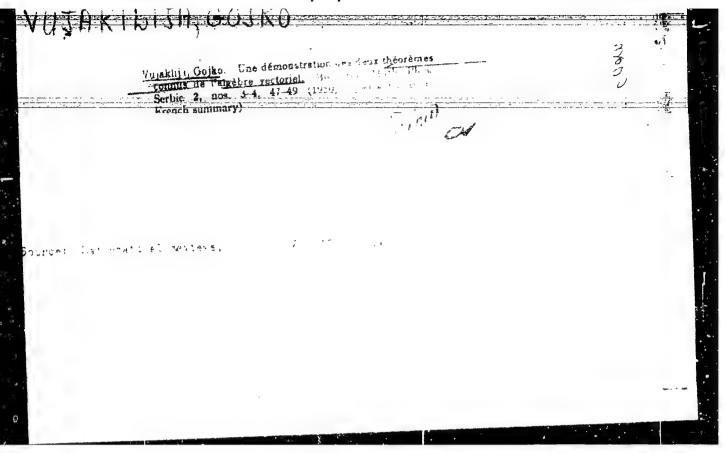
Vujaklija, G. Sur le calcul des déterminants Contingak Telm Tak Univ Reported 1946 47, 1 4 - 47 (Serbian Freich summité)

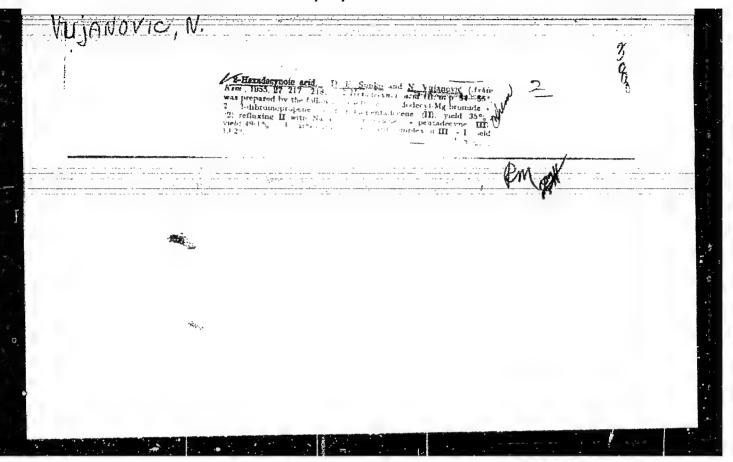
[The Serb an title is A method of i sholding determinants.] Let Δ be the determinant of the consulgation matrix $\{a_{ik}\}$, let Δ_i be the determinant (of order 2, -1) the minors of the four some elements and let Δ_2 with determinant of order n-2: of the submatrix $\{a_{ik}\}$ or what includes last rows and columns are deleted it is shown that $\Delta_2 \Delta_1 \Delta_2$ and this permits reducing the order of a determinant W. Finder (ith. 1.15. X.)

3 WW XD

Source: Mathematical Reviews,

701 11 No. 3





VUTANEVIC, N.

Yugoslavia/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 813

Author: Sunko, D. E., and Vujanovic, N.

Institution: None

Title: 2-hexadecynoic Acid

Original

Periodical: Arhiv. kemiju, 1955, Vol 27, No 4, 217-218 (published in English

with a Serbo-Croatian summary)

To a solution of $C_{12}H_{25}MgBr$ in ether (0.315 moles of $C_{12}H_{25}Br$) are Abstract: added 0.3 moles of CH2 = CBrCH2Br; the mixture is refluxed for 4 hours

and hydrolyzed with dilute HCl. The yield of 2-bromo-1-pentadecyne (I) is 35%, bp 920/0.15 mm, np = 1.4690. Thirty-nine grams of I are added (one hour at 140°) to a sample of NH2Na (from 8.8 gms Na) dissolved in 270 ml of xylene; the mixture is refluxed for 10 hours, after which ice and concentrated HCl are added, and the 1-pentadecyne

(II) is extracted with ether. The yield is 49.1%, bp $88^{\circ}/0.25$ mm, $n_{\rm D}^{\circ}$ = 1.4545; 13.8 gms of II are added to an ether solution of

Card 1/2

Yugoslavia/Organic Chemistry - Synthetic Organic Chemistry, E-2

Abst Journal: Referat Zhur - Khimiya, No 1, 1957, 813

Abstract: CH3MgI and refluxed 17 hours. Next, the reaction mixture is saturated with CO2; the yield of 2-hexadecynoic acid (III) is 13.2%, bp 54-550 (in petroleum ether). The product III is purified, precipitated from acetone solution as the K-salt with 5 N alcoholic

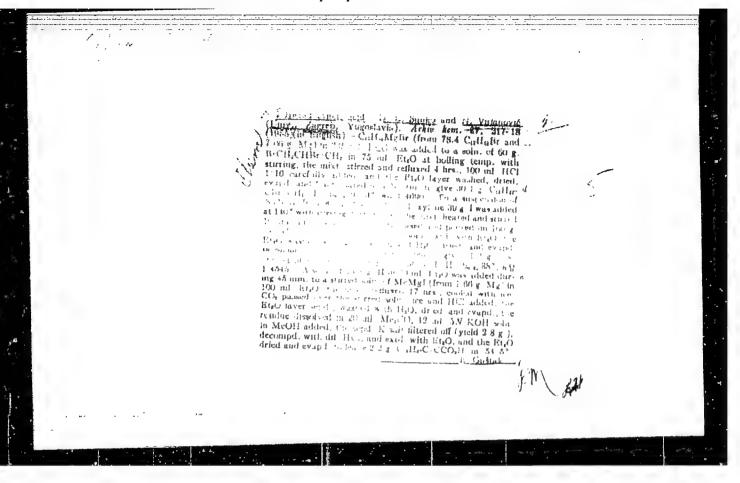
KOH, and recovered by hydrolysis with dilute HCl.

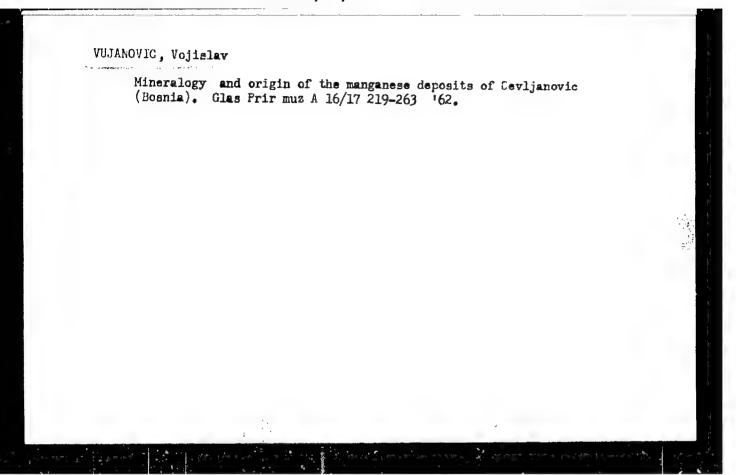
Card 2/2

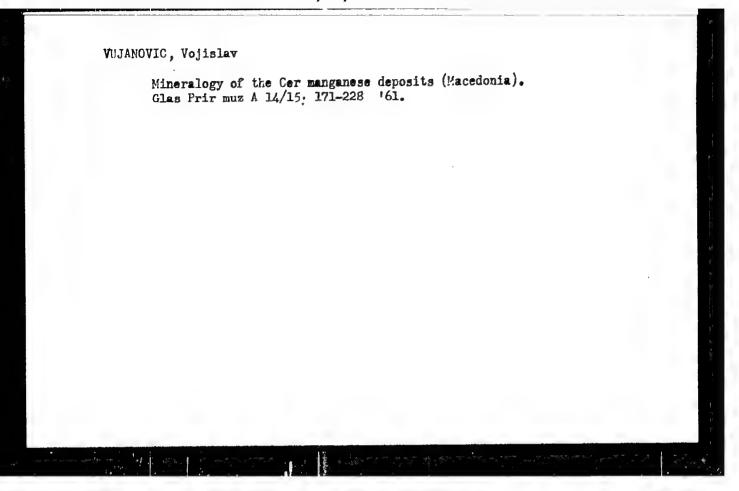
VUJANOVIC, Bozidar, asistent (Beograd, Srneticka 4)

Geometrization of a disturbed motion in the holonomic scleronomic dynamic systems. Tehnika Jug 18 no. 8: 1411-1412 Ag '63.

1. Masinski fakultet Univerziteta u Beogradu.







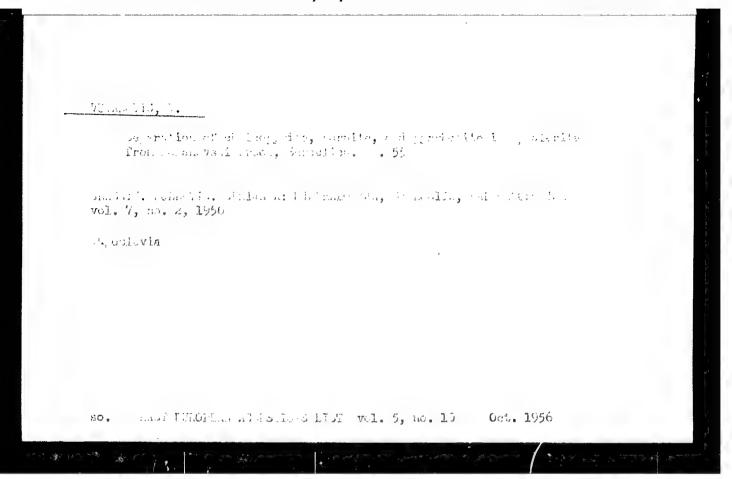
VUJANOVIC, Vojislav

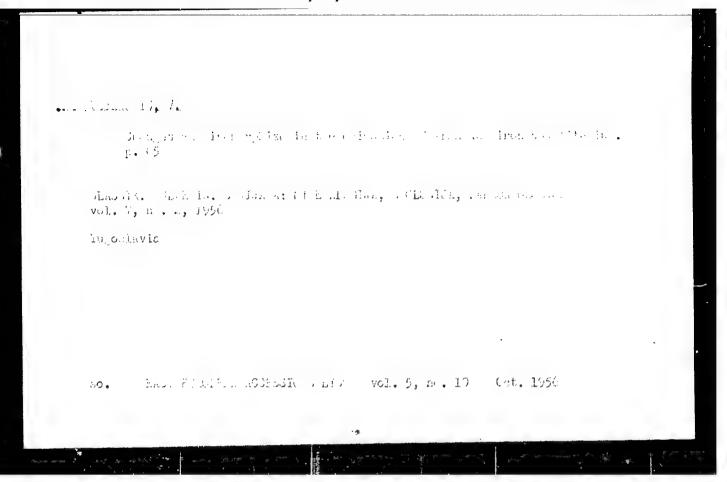
Mineralogical composition and structure of minerals in the lead-zinc deposits of Brskova, Montenegro. Glas Prir muz no.13:7-28 160.

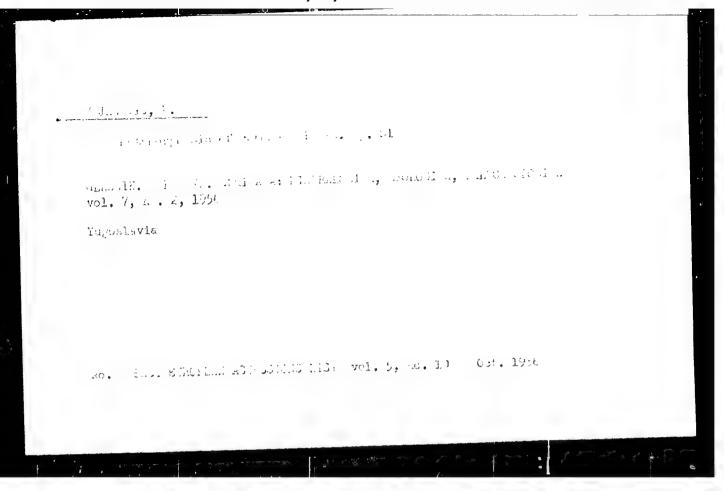
(Lead) (Zinc)

Wineralogy and genesis of manganese deposits of Draza near Kragujevac. Glas Prir muz A 18:57-78 163.

1. Submitted May 17, 1963.







VUJANOVIC, V.

Manufacture of polished abrasives made of anthracite and bituminous coal through the combined application of Treuer's system and the classic method.

p. 119 (Glasmik) Vol. 7, no. 3, 1956, Belgrade, Yugoslovia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC. VOL. 7. NO. 1. JAN. 1958

VUJANOVIC, V.

The combined and combined-regenerated ore deposits.

p. 123 (Glashik) Vol. 7, no. 3, 1956, Belgrade, Yugoslovia

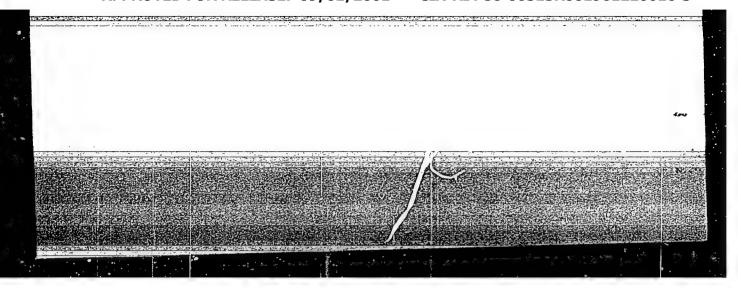
SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO.1, JAN. 1958

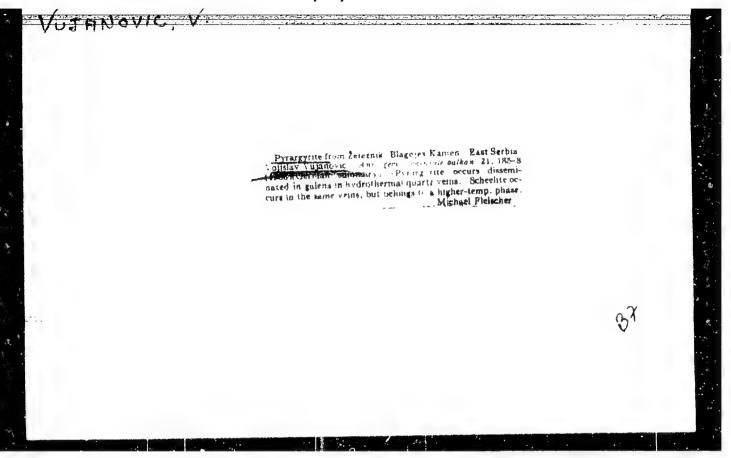
VUJANOVIC, 7.

Smoke screening by artillery.

P. 11 (Vojni Glasnik. Vol. 10, no. 8, Aug. 1956. Beograd, Yugoslavia)

Monthly Index of East European Accessions (EPAI) LC. Vol. 7, no. 2, February 1958

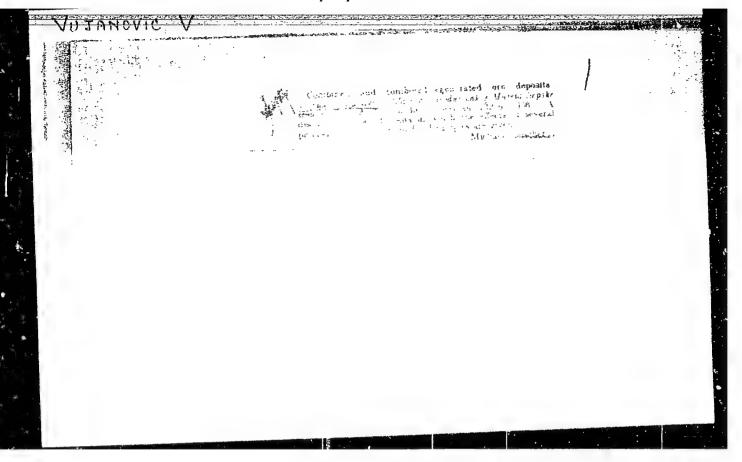




VUJNOVIC, Vladis, dr

Distribution of elements on the stars. Zemlja i svemir 6 no.4:36-39

1. Glavni i odgovorni urednik, "Zemlja i svemir".



VUJANOVIC, V.

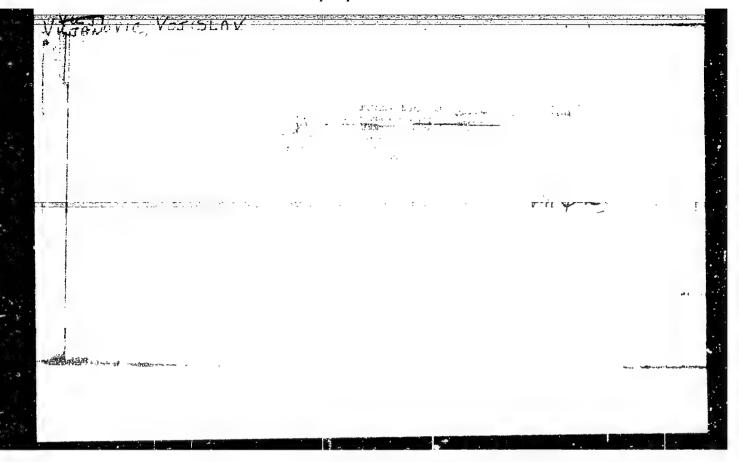
"Layers of Iron and Graphite Minerals in Ponikvica, Montenegro."
P. 237. (GLASNIK. SFRIJA A: MINFRALCGIJA, GFCLOGIJA, PALFONTCLOGIJA.
No. 5, 1952, Beograd, Yugoslavia.)

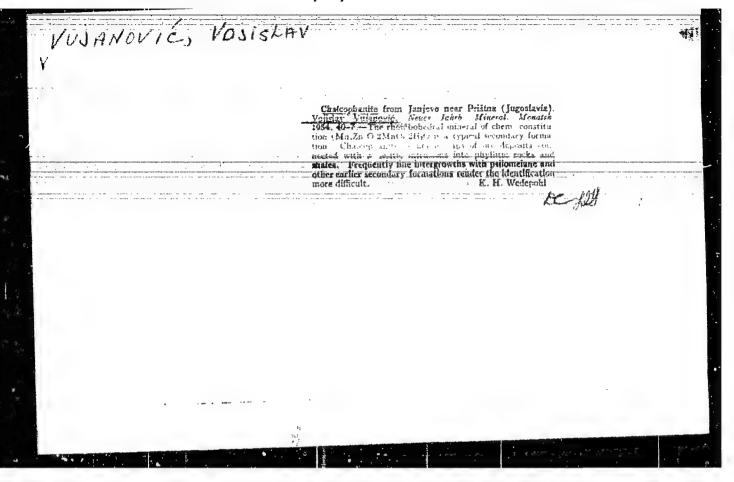
SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

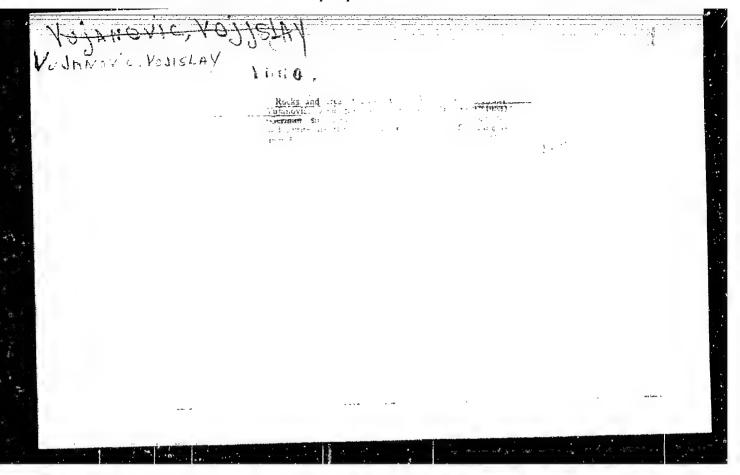
VUJANOVIC, V.

"Mineral and Ore Layers in Murin, Andrijevica, and Plav, Montenegro." P. 205. (GLASNIK. SFRIJA A: MINFRALOGIJA, GFOLOGIJA, PALFONTOLOGIJA. No. 5, 1952, Beograd, Yugoslavia.)

SO: Monthly List of East European Accessions, (EFAL), LC, Vol. 3, No. 12, Nec. 1954, Uncl.







VUJANOVIC, Vojislav

Genetic classification of ore deposits in the Mackatica and Surdulica region. Glas Prir muz A no.11:47-108 '59.

(Yugoslavia-Ore deposits)

"APPROVED FOR RELEASE: 09/01/2001

CIA-RDP86-00513R001961220016-3

YUJAMOVITCH, Vojislav

Minerals and ores in the region of Andrijevica, Musno, and Play. Vojislay Vulanavitch. Glasnik Priced. Muscin Styrke Zemlye (Bull. museum hist. nat. pays Serhe), Ser A. No. 5, 205-22 (1932) (French summary).—Pyrite, pyrshotite, and minor chalcopyrite occur in wins in schists and quartz porphyries.

Chemical Abst. Vol. 48 No. 9 May 10, 1954 Mineralogical and Geological Chemistry

sov-107-58-4-9/57

Yujasinović, Tedor (Vuyyasinovich, Tedor) Vice-chairman AUTHOR:

We Rejoice at Your Success (My reduyemsya vashim uspekham) TITLE:

Radio, 1958, Nr 4, p 7 (USSR) PERIODICAL:

The author describes amateur radio activity in Yugoslavia, ABSTRACT:

controlled by the Union of Yugoslavian Radio Amateurs, and

extends his best wishes to Soviet radio amateurs.

ASSOCIATION: Tsk oboronnogo obshchestva "Narodnaya tekhnika" Federativ-noy Narodnoy Respubliki Yugoslavii (The Central Committee

of the Defense Organization "National Technics" of the

Federal People's Republic of Yugoslavia)

1. Radio--Yugoslavia 2. Radio operators--Training

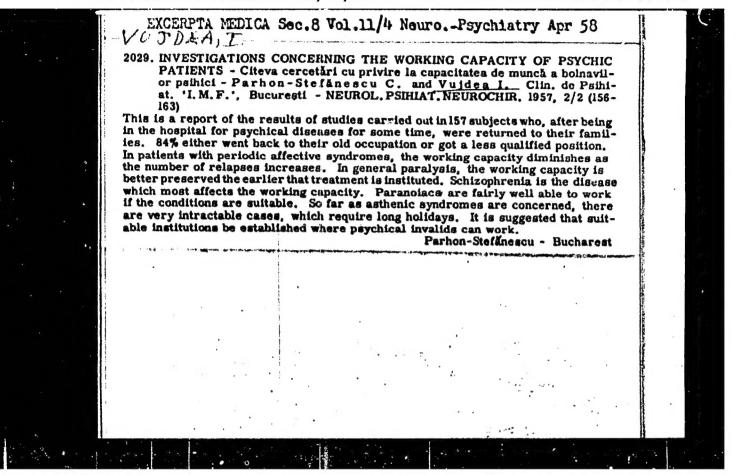
Card 1/1

CIA-RDP86-00513R001961220016-3" APPROVED FOR RELEASE: 09/01/2001

VUJCIC, Ivica, dr., docent (Novi Sad, Poljoprivredni fakultet)

Degree of acidity and ripeness during the ripening process of kashkaval cheese. Tehnika Jug:Suppl.:Prehran ind 17 no.1:156-159 Ja- 163.

1. Poljoprivrední fakultet u Novom Sadu.



JOVANOVIC, Vera, dipl. farm, asistent (Novi Beograd, Studentski grad 973/3); VUJEVIC, Mirjana, hem. tehn., tehnicki saradnik

Sterility of the radioactive 131 J and its control. Tehnika Jug 18 no.ll:Suppl:Radioizotopi zrac 2 no.ll:2005-2008 N '63.

1. Institut za nuklearne nauke "Boris Kidric", Beograd-Vinca.

Vujevic, P.

Cooling power and drying power in Petrovaradin. p. 5

CROATICA CHEMICA CACTA. (Hrvatsko kemijsko drustvo, Sveuciliste u Zagrebu i Hrvatsko prirodoslovno drustvo) Zagreb, Yugoslavia. Vol. 7, no. 14, 1958

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

VUJEVIC, P. Thermal prir ma	conditions of the SANU no.253:115	ne Belgrade Meta 5-170 '63.	eorologic Observa	ory. Glas
			<u>.</u>	